

Patent Abstracts of Japan

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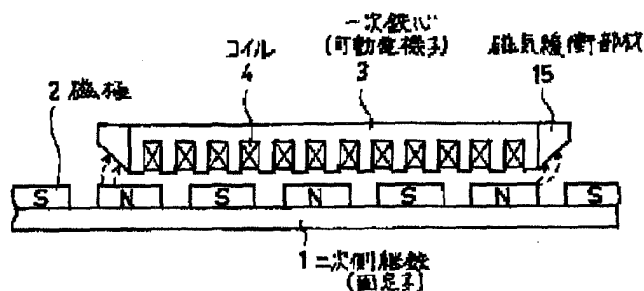
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TITLE : LINEAR MOTOR



ABSTRACT : PURPOSE: To reduce the fluctuation of the traveling speed of the movable armature of a linear motor.

CONSTITUTION: Magnetic shock absorbing members 15, which are provided with inclined faces by which the intervals with the magnetic poles 2 juxtaposed on a stator 1 (secondary yoke) widens gradually, are attached to both end faces in traveling direction of a movable armature (primary iron core), and the component is shifting direction of the magnetic attraction caused by leakage magnetic flux is made small by making the leakage magnetic flux from the magnetic poles 2 to the end faces of the primary iron core 3 incident on the inclined face of the magnetic shock absorbing member 15, thus the speed fluctuation, which occurs periodically separately for each pitch of the adjustment magnetic poles 2, is reduced.

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